1st and final bill

Original/Duplicate/Triplicate
CONTRACT CERTIFICATE
(For Other Works)

No.....

Date.....2020.

AEE/YNK SUB. DN
SBR No: 26/20-21
Date: 31/8/2020

Division: **BBMP / YNK** Sub-Division: **Yelahanka Sub – Division.**

YNK-DBR No. 22
Date. 03.09.2020

Bill Received No. Date. Divisional Cash Book Voucher No..... Dated.....

Schedule Docket No. Head of Account: Sub Divisional **Job number :** P-0541 Est.Cost: **32.50** Lakhs B.R.No. :

Name of Work : Providing & laying of sanitary pipe line 230mm dia glazed stone ware and 300mm dia RCC pipe line at Kurlappa layout near kogilu road (Ward No.1 Yelahanka CMC area

code : 001-19-000001

Name of Contractor and Full Address: **H E Shashikala, M/s Sri Shakthi Ganapathi Construction Company,#194,6th A main, 15th cross,A sector,1st phase, Yelahanka new town, Bengaluru-560064**

Reference to Agreement No. BBMP/EE/YNK/EPMT-16/W.O / 32/2020-21 , DATED 01/06/2020

Certified that the measurements were taken by me on 20-08-2020 and recorded of Pages 1/545 To 1/0736 of measurement Book No ...1... and that the work is satisfactorily executed.

Sri Shakthi Ganapathi Construction Company
H E Shashikala
Proprietor

Contractor 1170 **Officer-in-charge of work**

Certified that the measurement were taken by me on 20/08/2020 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

II Memorandum of Payment

1) Total value of work done or supplies made as per account within
2) Deduct amount to be held in reserve being .....percent Rs.....
3) " Balance
4) Deduct Payment:
   a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No.....
   adjusted towards cash advance recovery of
   b) Payments Now made } cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.
5) Balance being unpaid value of work done held in reserve.
6) Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.
7) Net amount due to or from Contractor unadjustments items.
8) Advance to Contractor for materials brought to site (as detailed) within.
9) Value of Government materials supplied.

Asst Exective Engineer
BBMP
Yelahanka Sub Division

Gross Amt = Rs		3090750/-
PSD = Rs		-
Amount CGST = Rs		27516/-
SGST = Rs		27596/-
IT		30908/-
LC		30908/-
CBF		3091/-
Roy Ty = Rs		15680/-
	Rs	135779/-
	Rs	2954971/-

Total amount adjusted

Sri Shakthi Ganapathi Construction Cor
H E Shashikala
Contractor's Signature

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands)

Witness
1.
2.

Dated Signature of Contractor

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....

Initials of Officer making payment

Audited & Admitted for Rs. 3090750/-
Proprietor

(For use in the Office)

Stamp

Amt Rs. 2954971/- by Cheque
1357791/- by adjustment

Executive Engineer

no	Description of work	Un
1	Conducting the level and strip of survey of alignment of Main Sewers of required diameter including all data required for generating GIS map of sewer network, preparation and submission of plan & LS with Ground level at 30m interval and junction points along the centre line of the alighment etc.,showing the right of way, any permanent features, culverts, branch sewer pipe complete as per specifications and as directed by the Engineer incharge with all lead and lifts etc., complete.(BWSSB SR 2016-17,I no 95(b),P.no 90)	
	Cutting road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc., in the followingclassifications as directed by the Engineer incharge with all lead and lifts etc., complete.Cutting asphalt road(BWSSB SR 2016-17,I no 4(2),P.no 9)	Rmt
2	Cutting asphalt road	
3	Cutting macadam road	Cum
4	Earth work excavation for pipeline trenches (except building works) including barricading depositing on bank with all lead including danger lighting and using sight rails and boning rods including shoring, strutting, bailing out water at every 100 meters wherever necessary as directed in the following starta in the following strata with all lead & lift etc complete (BWSSB SR 2016-17,I no 95(b),P.no 90)	Cum
	Upto 2.0m depth	
5	Above 2.m -up to 4.0m	Cum
	Qty up to 125%,i.e 141.14X 125%	Cum
	Beyond 125%	Cum
		Cum
6	do- disintegrated rock.soft rock ,soft shale and medium hard rock comprising of lime stone, sand stone ,hard shale , schiest fissured rock without resorting to blasting up to 2 Mtr. Depth (BWSSB SR 2016-17,SL no.1 ii,P.no 6)	Cum
7	Above 2 up to 4 Mtr. Depth	Cum
8	do- in hard rock by chistelling up to 2 Mtr. Depth (BWSSB SR 2016-17,SL no:1v /a,b,c ,P.no7)	Cum
9	do- in hard rock by chistelling 2.0 to 4 Mtr. Depth	
10	Providing erecting and removing casurinapole three tier Barricading using poles of 7.50 to 10 cms. Dia. and 1.50m height above ground fixed vertically at intervals of 2.0 to 2.5 mtrs. C/C and horizontally at 0.50 mtrs above ground level, including fixing poles in the ground for a minimum depth of 0.30mtr. and tied with coir rope firmly including cost and conveyance of all materials, labour, lead and lift charges etc. complete. (BWSSB SR 2016-17,I no 94(b),P.no 90)	Meter
11	Carting of excavated Earth of all types upto a distance mentioned below and re-carting back the earth to the same site by vehicle including loading,unloading charges for to & fro, with all lifts, labour, HOM of machinery etc. complete. Above 4 KM up to 5KM ,BWSSB SR 2016-17, P. no9 Sl no 6 (Residential area)	Cum
12	Providing course Sand Bedding for the pipeline trenches including watering and consolidation by punners etc., complete with all lead and lift (BWSSB SR 2016-17, P. no9 Sl no 5)	Cum
13	Providing and laying Plain Cement Concrete of mix 1:2:4 (M-15) with OPC @ 240kgs, with 40mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @ 0.56cum in Open Foundation including cost of all materials, labour,HOM curing, form works, scaffolding and centering complete as per specifications complete as per Drawing and Technical Specifications (KPWD SR 2016-17,P no.161,Si no.4.1)	Cum

Measurment		Present Measurement			Total up-to date		Remark
Qty	cost	Qty	Rate	Cost	Qty	cost	
-	-			0.0	0.00	0.0	
-	-	601	4.2	2524.2	601.00	2524.2	
-	-			0.0	0.00	0.0	
-	-	8.831	482.16	4258.0	8.83	4258.0	
-	-	71.8875	263.42	18936.6	71.89	18936.6	
-	-			0.0	0.00	0.0	
-	-	1012.060	163.46	165431.3	1012.06	165431.3	
-	-			0.0	0.00	0.0	
-	-	176.425	216.38	38174.8	176.43	38174.8	
-	-	270.337	236.25	63867.1	270.34	63867.1	
-	-			0.0	0.00	0.0	
-	-	147.45	384.55	56701.9	147.45	56701.9	
-	-			0.0	0.00	0.0	
-	-	37.40	429.24	16055.4	37.40	16055.4	
-	-	50.80	1542.91	78379.8	50.80	78379.8	
-	-	11.58	1655.81	19174.3	11.58	19174.3	
-	-	602	54.6	32869.2	602.00	32869.2	
-	-	198.119	344.57	68265.9	198.12	68265.9	
-	-	6.75	1095.91	7397.4	6.75	7397.4	
-	-	32.22	5473.65	176361.0	32.22	176361.0	

14	Refilling of available earth around pipelines, in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering all lead and lift including cost of all labour including consolidation by mechanical means approved by Engineer Incharge, when earth is at suitable moisturecontent with desired field density upto 95% maximum dry density (modified heavy proctor test) for restoration of roads without settlement including HOM of machineries, complete. (The contractor shall take care while consoldating the earth, so that, pipes laid are not damaged due to mechanical ompaction and shall restore the damaged pipes at his own cost, in case of damage((BWSSB SR 2016-17,I no 2(b),P.no 9)	Cum
15	Supplying lowering laying, jointing, testing and commissioning of following diameters glazed stone ware pipes, conforming to IS 651:1992, (with 5th revision) in all respects jointing with EPDM rubber rings (seals according to EN 681 & ASPM 425) The rubber seals joints pipe will have groves in interior of socket and exterior of the spigot. The rubber gasket shall be prefixed at the factory by the manufacturer rigidly with approved glue to have leak proof joint including conveying of pipe to work site and rolling and lowering into trenches, laying true to line, level and perfect linking at joints testing and commissoning including loading and unloading at both destinations and cuts of pipes wherever necessary including jointing of GSW pipes and specials, with rubber gaskets conforming to EN 681 and ASTM C-425 including cleaning the socket and spygot with soap solution and applyign talcum powder for detecting crack, then applying glue and before inserting of rubber gaskets, jacking and fixing in perfect condition including the cost of soap solution, talcum powder and glue etc. and giving necessary hydraulic test to the required pressure ofwater head with all lead and lifts including costing of jointing materials and all necessary survey works for laying of sewers etc., and disposal of	
	230 mm dia	Rmt
16	Supplying of following diameters S&S RCC SPUN/VIBRATED CAST PIPES (REINFORCED) of NP-3 class,300mm diameter	Rmt
17	Providing and constructing "wire cut brick manhole chambers" using sulphate resistant cement, conical in shape at top with C.C. 1:3:6 foundation using 40 mm and down size graded metal of approved quality and with an offset of 0.15 m alround the chamber and brick masonry in C.M. 1:4 plaster with wire cut bricks of approved quality and CM plaster 1:3 proportion 12 mm thick inside and outside except for the conical surface outside where the thickness of plaster shall be 20 mm thick, with 1.6 slope in the concrete towards the central drain, finished smooth and fixing of pipes in CC 1:2:4 graded metal of 20 mm and down size including conveying to work spot supplying & fixing SFRC manhole frame and cover confirming to IS:12592 with latest amendments in CC 1:2:4, supplying and fixing of minimum 3 mm thick encapsulated plastic footsteps (as per IS 10910) on 12 mm dia, Grade Fe-415 steel bar (as per IS 1786) staggered at 30 cms apart as detailed in Technical Specifications and as directed, watering, curring, barricading, danger lighting, pouring tar over MH frame and cover, cost of tar, shoring, strutting, dewatering, engraving manhole No. with flow	No
	a) For 0.8 depth	No
	1.20M Diameter manholes	No
18	a)For 1.0 meter	Mtr
19	b)Above 1.0m below 2.0m	Mtr
20	a)For 2.0 meter	
	Qty Up to 125% RA Enclosed	
	Beyond 125%	Mtr
21	b)Above 2.0m below 3.0m	No
22	a) For 3.00m depth	Mtr
	Qty Up to 125% RA Enclosed	Mtr
	Beyond 125%	Mtr
23	b)Above 3.0m below 4.0m	
24	Removing B S slab of drain and stacking with all lead & lift and as per the directed by engineer in charge . PWD SR 2016-17 (P.No 173, Sl no.5.32)	Sqm

-	-	1310.32	72.91	95535.4	1310.32	95535.4	
-	-			0.0	0.00	0.0	
-	-	0.0		0.0	0.00	0.0	
-	-	0		0.0	0.00	0.0	
-	-			0.0	0.00	0.0	
-	-	0	13028.36	0.0	0.00	0.0	
-	-			0.0	0.00	0.0	
-	-	12	16285.45	195425.4	12.00	195425.4	
-	-	6.5	12069.65	78452.7	6.50	78452.7	
-	-			0.0	0.00	0.0	
-	-	6	28355.09	170130.5	6.00	170130.5	
-	-	0			0.00	0.0	
-	-	3	15263.8	45791.4	3.00	45791.4	
-	-			0.0	0.00	0.0	
-	-	6.25	53938.56	337116.0	6.25	337116.0	
-	-	3.75	47209.05	177033.9	3.75	177033.9	
-	-	1.5	21807	32710.5	1.50	32710.5	
-	-	40.15	65.1	2613.8	40.15	2613.8	

25	Refixing stone slabs of drain & pointing in CM (1:3) with all lead & lifts complete and as directed by the engineer in charge KPWD SR 2016-17 (P.No.173 SL No.5.33)	Sqm
26	Dismantling ofcement concrete payment by mechanical means using pneumatic tool, breakingto pieces not exceeding 0.02cum in volume and stock piling at designated locations and disposal of dismanlled materials stacking unserviceable materials seperately complete as per specifications. Morth Specification NO.202 PWD SR 16-19 (Page no 267 SL no.18.47)	Sqm
27	Providing and laying Reinforced Cement Concrete of Design mix M-25 with OPC cement @340kgs with 20mm and down size graded granite metal coarse aggregates @0.7cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008. machine mixed ,concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footing, pedastals, retaining walls, return wallsincluding attached plasters,column ,piers,abutment, pillars, posts, struts, buttresses, bed block, anchor blocks , plinth etc., including costs of all materials, labour, HOM machinaery ,curing,complete but excluding cost of reinforcement as per specifications. No. KBS 4.1,4.6 PWD SR 16-17 (Page no 162, SL no: 4.1)	Cum
28	Dismantling Size stone masonary in lime / cement mortar and stacking the size stone and removing and disposing the debries with all lead & lifts etc complete including cost of all equipment and labour etc., complete as per specifications and as per directed by engineer in charge. KPWD SR (Page 370 SL no 5.6)	Cum
29	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar, stone hammered dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications.No. KBS 5.1.13(KPWD SR 2016-17, P no 171, L no.5.6)	Cum
	EXTRA ITEM	
2	Supplying DOUBLE WALL CORRUGATED (External annul corrugated & smooth internal wall) (DWC) of class SN 8, piping system in accordance with IS 16098 (Part-2) and conveying to worksite, rolling and lowering into trenches, laying true to line and level and perfect linking at joints, testing and commissioning, including loading and unloading at both destinations and cuts of pipes wherever necessary including jointing with all labour, lead & lifts, including encasing the pipes alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation etc. complete and giving necessary hydraulic test to the required pressure as per ISS (BWSSB SR 2017-18,P no 26, Code no 4295 & 4296) Do-Pipes of SN 8, 300 mm dia	Rmt

Certificates:

The above work is done satisfactorily and complete in all respect.

There is no department Material issue for the above work.

This works comes under BBMP Limit.

20-08-2020

-	-	40.15	79.8	3204.0	40.15	3204.0	
-	-	43.2	820.05	35426.2	43.20	35426.2	
-	-	49.28	6532.05	321899.4	49.28	321899.4	
-	-	22.32	180.6	4031.0	22.32	4031.0	
-	-	21.6	4396.35	94961.2	21.60	94961.2	
-	-			0.0	0.00	0.0	
-	-	301	1384.95	416870.0	301.00	416870.0	
		Sub Total		2759598		2759598	
		GST 12%		331152		331152	
		Total		3090750		3090750	

Asst.Exective Engineer
BBMP
Yelahanka Sub Division